CLAIMS

What is claimed is:

i 1.   A computer-implemented method employed within a network comprising:

2   displaying a hierarchical tree structure having one or more selectable tree nodes in a

3   graphical user interface, each of the one or more tree nodes representing a resource of an

4   application server, wherein at least one of the tree nodes is a monitor service tree node, the

5   monitor service tree node representing a monitor service of the application server;

6   receiving an indication that the monitor service tree node is selected; and

7   displaying a monitor tree in the graphical user interface, the displayed monitor tree

8   having one or more selectable monitor tree nodes, wherein each of the one or more monitor

9   tree nodes includes a monitor managed bean and an associated resource.

1 2.   The method of claim 1, wherein each displayed monitor tree node provides a status

2   indicator to provide a current status of a monitored resource.

1 3.   The method of claim 1, further comprising:

2   receiving an indication that a monitor tree node is selected; and

3   configuring the selected monitor tree node with the graphical user interface.

1 4.   The method of claim 3, wherein configuring the selected monitor tree node

2   comprises:

3   setting a monitoring period for the selected monitor tree node.

1   5.   The method of claim 3, wherein configuring the selected monitor tree node

2 comprises:

3   configuring the selected monitor tree node to provide an alarm if a resource

4 associated with the selected monitor tree node malfunctions.

1   6.   The method of claim 3, wherein configuring the selected monitor tree node

2 comprises:

3   configuring the selected monitor tree node to poll monitor data from a resource

4 associated with the selected monitor tree node.

1   7.   The method of claim 3, wherein configuring the selected monitor tree node

2 comprises:

3   configuring the selected monitor tree node to push monitor data from a resource

4 associated with the selected monitor tree node to the selected monitor tree node.

1   8.   The method of claim 3, wherein configuring the selected monitor tree node

2 comprises:

3   setting a threshold value for the monitor tree node, wherein the monitor tree node is to

4 provide an indication if the threshold value is detected.

1   9.   The method of claim 1, further comprising:

2   receiving an indication that a monitor tree node is selected; and

3   displaying a history of monitor data collected by the selected monitor tree node.

1   10.   The method of claim 9, wherein displaying the history of monitor data collected by

2 the selected monitor tree node comprises:

3   displaying a table of monitor data, the displayed table including a time column to

4   display a time when an item of monitor data is collected and one or more columns of monitor

5   data.

1   11.   A monitoring system graphical user interface comprising:

2   a hierarchical tree structure having one or more tree nodes, each of the one or more

3   tree nodes representing a resource of an application server, wherein at least one of the tree

4   nodes is a monitor service tree node, the monitor service tree node to represent a monitor

5   service of the application server, the monitor service tree node selectable via a cursor control

6   device; and

7   wherein upon selecting the monitor service tree node, a monitor tree is displayed in

8   the graphical user interface, the displayed monitor tree having one or more selectable monitor

9   tree nodes, wherein each of the one or more monitor tree nodes includes a monitor managed

10   bean and an associated resource.

1   12.   The graphical user interface of claim 11, wherein the monitoring system is a Java

2   management extensions (JMX) – based monitoring system.

1   13.   The graphical user interface of claim 11, wherein, as the cursor control device selects

2   one of the one or more monitor tree nodes, information related to the selected monitor tree

3   node is displayed in a window pane.

1   14.   The graphical user interface of claim 13, wherein

2   the displayed information includes at least one of

3   a name of the selected monitor tree node,

4   a description of the monitor tree node,

5   a monitor type for the monitor tree node, and

6-   monitor data.

1   15.   The graphical user interface of claim 13, wherein the displayed window pane further

2   comprises:

3   .   a configuration command; and wherein

4   as the cursor control device selects the configuration command, a monitor tree node

5   configuration pop-up window appears.

1   16.   The graphical user interface of claim 15, wherein the configuration pop-up window

2   provides one or more monitor tree node configuration options, the one or more monitor tree

3   node configuration options selectable via the cursor control device.

1   17.   The graphical user interface of claim 16, wherein the one or more monitor tree node

2   configuration options include at least one of

3   a monitoring period field to receive a value specifying a monitoring period,

4   a resource malfunction response indicator to specify a response of the monitor tree

5   node, if a resource malfunctions,

6   a data collection indicator to indicate whether monitor data is to be pushed from the

7   resource, and

8   a threshold value field to receive a threshold value for specifying a threshold of the

9   resource.

1   18.   The graphical user interface of claim 13, wherein the displayed window pane further

2   comprises:

3   a monitor data history command; and wherein

4   as the cursor control device selects the monitor data history command, a monitor data

5   history pop-up window appears, the monitor data history pop-up window to provide a history

6   of monitor data collected by the monitor tree node.

1   19.   The graphical user interface of claim 18, wherein the monitor data history pop-up

2   window is to provide a table of monitor data collected by the monitor tree node.

1   20.   The graphical user interface of claim 19, wherein the table of monitor data collected

2   by the monitor tree node includes a time column to display a time when an item of monitor

3   data is collected and one or more columns of monitor data.

1   21.   A system comprising:

2   a means for displaying a hierarchical tree structure having one or more selectable tree

3   nodes in a graphical user interface, each of the one or more tree nodes representing a

4   resource of an application server, wherein at least one of the tree nodes is a monitor service

5   tree node, the monitor service tree node representing a monitor service of the application

6   server;

7   a means for receiving an indication that the monitor service tree node is selected; and

8   a means for displaying a monitor tree in the graphical user interface, the displayed

9   monitor tree having one or more selectable monitor tree nodes, wherein each of the one or

10   more monitor tree nodes includes a monitor managed bean and an associated resource.

1   22.   The system of claim 21, further comprising:

2   a means for receiving an indication that a monitor tree node is selected; and

3   a means for configuring the selected monitor tree node with the graphical user

4   interface.

1 23. The system of claim 22, wherein the means for configuring the selected monitor tree

2 node with the graphical user interface comprises:

3   a means for setting a monitoring period for the selected monitor tree node.

1 24. The system of claim 22, wherein the means for configuring the selected monitor tree

2 node with the graphical user interface comprises:

3   a means for configuring the selected monitor tree node to provide an alarm if a

4 resource associated with the selected monitor tree node malfunctions.

1 25. The system of claim 22, wherein the means for configuring the selected monitor tree

2 node with the graphical user interface comprises:

3   a means for configuring the selected monitor tree node to poll monitor data from a

4 resource associated with the selected monitor tree node.

1 26. The system of claim 22, wherein the means for configuring the selected monitor tree

2 node with the graphical user interface comprises:

3   a means for setting a threshold value for the monitor tree node, wherein the monitor

4 tree node is to provide an indication if the threshold value is detected.

1 27. An article of manufacture comprising:

2   an electronically accessible medium providing instructions that, when executed by an

3 apparatus, cause the apparatus to

4   display a hierarchical tree structure having one or more selectable tree nodes in a

5 graphical user interface, each of the one or more tree nodes representing a resource of an

6 application server, wherein at least one of the tree nodes is a monitor service tree node, the

7 monitor service tree node representing a monitor service of the application server;

8   receive an indication that the monitor service tree node is selected; and

9   display a monitor tree in the graphical user interface, the displayed monitor tree

10   having one or more selectable monitor tree nodes, wherein each of the one or more monitor

11   tree nodes includes a monitor managed bean and an associated resource.

1   28.   The article of manufacture of claim 27, wherein the electronically accessible medium

2   provides further instructions that, when executed by the apparatus, cause the apparatus to

3   receive an indication that a monitor tree node is selected; and

4   configure the selected monitor tree node with the graphical user interface.

1   29.   The article of manufacture of claim 28, wherein the instructions that, when executed

2   by the apparatus, cause the apparatus to configure the selected monitor tree node cause the

3   apparatus to

4   set a monitoring period for the selected monitor tree node.

1   30.   The article of manufacture of claim 28, wherein the instructions that, when executed

2   by the apparatus, cause the apparatus to configure the selected monitor tree node further

3   cause the apparatus to

4   configure the selected monitor tree node to provide an alarm if a resource associated

5   with the selected monitor tree node malfunctions.

1   31.   The article of manufacture of claim 27, wherein the electronically accessible medium

2   provides further instructions that, when executed by the apparatus, cause the apparatus to

3   receive an indication that a monitor tree node is selected; and

4   display a history of monitor data collected by the selected monitor tree node.

1   32.   The article of manufacture of claim 31, wherein the instructions that, when executed

2   by the apparatus, cause the apparatus to display the history of monitor data collected by the

3   selected monitor tree node cause the apparatus to

4   display a table of monitor data, the displayed table including a time column to display

5   a time when an item of monitor data is collected and one or more columns of monitor data.